

Responsive to the Office Action dated July 11, 2000, please amend the instant application as follows:

IN THE SPECIFICATION

Page 8, line 5, change "allows" to --allow--.



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IN THE CLAIMS

Please amend the following claims:

1. (AMENDED) A radio receiver comprising a receiving system (capable of) for receiving a radio signal according to plural types of radio communication [systems] modes, said receiving system comprising plural types of amplifiers, each of which is dedicated to one corresponding mode among said radio communication modes, each [for] amplifier amplifying a received signal according to said [plural types of] corresponding radio communication [systems] mode.

Claim 2, line 4, change "system" to --mode--.

3. (AMENDED) The radio receiver as set forth in claim 2, wherein said receiving system comprises an output selection portion for outputting said received signal to one of said amplifiers according to said radio communication [system] mode; and

said selection control portion is constructed so as to control the selecting process of said output selection portion and to make one of said amplifiers operate according to the radio communication [system] mode of said received signal.

5. (AMENDED) The radio receiver as set forth in claim 4, wherein said plural types of radio communication [systems] modes comprise a first communication [system] mode and a second communication [system] mode whose permissible noise signal levels differ from each other, [said] a noise signal being caused to the received signal of itself due to that of the other radio communication [system] mode which differs from the former; and wherein

said plural types of amplifiers each comprises a first amplifier adapted for said first communication [system] mode and a second amplifier adapted for said second communication [system] mode; said first and second amplifiers being each set with a different bias current amount so as to each achieve an operating condition meeting said permissible noise signal level;

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cont. said output selection portion being constructed as a distributing switch for distributing said received signal to one of said first and second amplifiers; and

said selection control portion being constructed as a switching control portion for switching the output of said distributing switch to one of said first and second amplifiers according to the radio communication [system] mode of said received signal and actuating corresponding one of said first and second amplifiers.

6. (AMENDED) The radio receiver as set forth in claim 5, wherein said switching control portion comprises:

a communication [system] mode detecting portion for detecting which one of said first and second communication [systems] modes is the radio communication [system] mode of said received signal [is], wherein if said first communication [system] mode is

detected at said communication [system] mode detecting portion, the output of said distributing switch is switched to said first amplifier side and said first amplifier is actuated while, if said second communication [system] mode is detected at said communication [system] mode detecting portion, the output of said distributing switch is switched to said second amplifier side and said second amplifier is actuated.

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7. (AMENDED) The radio receiver as set forth in claim 6, wherein said second communication [system] mode is an analog radio communication [system] mode utilizing a desired modulating system and said first communication [system] mode is a digital radio communication [system] mode utilizing a spread spectrum system and whose permissible noise signal level is lower than that of said analog radio communication [system] mode.

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9. (AMENDED) The radio receiver as set forth in claim 5, wherein said second communication [system] mode is an analog radio communication [system] mode utilizing a desired modulating system and said first communication [system] mode is a digital radio communication [system] mode utilizing a spread spectrum system and whose permissible noise signal level is lower than that of said analog radio communication [system] mode.

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11. (AMENDED) The radio receiver as set forth in claim 3, wherein said plural types of radio communication [systems] modes comprise a first communication [system] mode and a second communication [system] mode whose permissible noise signal levels differ from each other, [said] a noise signal being caused to the received signal of itself due to

that of the other radio communication [system] mode which differs from the former; and
wherein

said plural types of amplifiers each comprises a first amplifier adapted for said first communication [system] mode and a second amplifier adapted for said second communication [system] mode, said first and second amplifiers being each set with a different bias current amount so as to each achieve an operating condition meeting said permissible noise signal level;

said output selection portion being constructed as a distributing switch for distributing said received signal to one of said first and second amplifiers; and

said selection control portion being constructed as a switching control portion for switching the output of said distributing switch to one of said first and second amplifiers according to the radio communication [system] mode of said received signal and actuating corresponding one of said first and second amplifiers.

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12. (AMENDED) The radio receiver as set forth in claim 11, wherein said switching control portion comprises:

a communication [system] mode detecting portion for detecting which one of said first and second communication [systems] modes is the radio communication system of said received signal [is], wherein if said first communication [system] mode is detected at said communication [system] mode detecting portion, the output of said distributing switch is switched to said first amplifier side and said first amplifier is actuated while, if said second communication [system] mode is detected at said communication [system] mode

detecting portion, the output of said distributing switch is switched to said second amplifier side and said second amplifier is actuated.

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13. (AMENDED) The radio receiver as set forth in claim 12, wherein said second communication [system] mode is an analog radio communication [system] mode utilizing a desired modulating system and said first communication [system] mode is a digital radio communication [system] mode utilizing a spread spectrum system and whose permissible noise signal level is lower than that of said analog radio communication [system] mode.

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15. (AMENDED) The radio receiver as set forth in claim 11, wherein said second communication [system] mode is an analog radio communication [system] mode utilizing a desired modulating system and said first communication [system] mode is a digital radio communication [system] mode utilizing a spread spectrum system and whose permissible noise signal level is lower than that of said analog radio communication [system] mode.

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17. (AMENDED) A radio receiver comprising:
a reception system [capable of] for receiving a radio signal according to plural types of radio communication [systems] modes, in which [an] a single amplifier shared [in common between] by said radio communication [systems] modes is provided for amplifying the received signal; and

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a control portion for changing an operating condition of said single amplifier into that [corresponding] adapted to said radio communication [system] mode of the received signal.

Claim 18, line 5, change "system" to --mode--.

19. (AMENDED) The radio receiver as set forth in claim 18, wherein said plural types of radio communication [systems] modes comprise a first communication [system] mode and a second communication [system] mode whose permissible noise signal [level] levels differ from each other, [said] a noise signal being caused to the received signal of itself due to that of the other radio communication [system] mode which differs from the former radio communication [system] mode; and

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said bias change control portion is constructed to change the bias current amount of said single amplifier between a first current amount adapted for the first communication [system] mode and a second current amount adapted for the second communication [system] mode so that an operating condition of the amplifier may satisfy the permissible noise signal level.

20. (AMENDED) The radio receiver as set forth in claim 19, wherein said bias change control portion [is provided with] includes a communication [system] mode detecting portion for detecting which one of said first and second communication [systems] modes is the radio communication [system] mode of said received [is], wherein if said communication [system] mode detecting portion detects said first communication [system] mode, then it changes the bias current amount of said single amplifier to said first current amount while, if [it] said communication mode detection portion detects said second communication [system] mode, then it changes the bias current amount of said second current amount.

22. (AMENDED) The radio receiver as set forth in claim 21, wherein said second communication [system] mode is an analog radio communication [system] mode utilizing a desired modulating system and said first communication [system] mode is a digital radio communication [system] mode utilizing a spread spectrum system and whose permissible noise signal level is lower than that of said analog radio communication [system] mode.

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24. (AMENDED) The radio receiver as set forth in claim 20, wherein said second communication [system] mode is an analog radio communication [system] mode utilizing a desired modulating system and said first communication [system] mode is a digital radio communication [system] mode utilizing a spread spectrum and whose permissible noise signal level is lower than that of said analog radio communication [system] mode.

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27. (AMENDED) The radio receiver as set forth in claim 26, wherein said second communication [system] mode is an analog radio communication [system] mode utilizing a desired modulating system and said first communication [system] mode is a digital radio communication [system] mode utilizing a spread spectrum system and whose permissible noise signal level is lower than that of said analog radio communication [system] mode.

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29. (AMENDED) The radio receiver as set forth in claim 19, wherein said second communication [system] mode is an analog radio communication [system] mode utilizing a desired modulating system and said first communication [system] mode is a digital radio communication [system] mode utilizing a spread spectrum system and whose permissible noise signal level is lower than that of said analog radio communication [system] mode.

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32. (AMENDED) The radio receiver as set forth in claim 31, wherein said second communication [system] mode is an analog radio communication [system] mode utilizing a desired modulating system and said first communication [system] mode is a digital radio communication [system] mode utilizing a spread spectrum system and whose permissible noise signal level is lower than that of said analog radio communication [system] mode.

sub B3 / 34. (AMENDED) A signal amplifying method in a radio receiver [capable of] for receiving a radio signal according to plural types of radio communication [systems] modes, comprising the steps of:

selecting one of plural types of amplifiers, each of which is dedicated to one corresponding mode among said radio communication modes, according to [the] a radio communication [system] mode of a received signal; and

amplifying the received signal using only the selected amplifier of said plural types of amplifiers.

35. (AMENDED) A signal amplifying method in a radio receiver [capable of] for receiving a radio signal according to plural types of radio communication [systems] modes, comprising the steps of:

changing an operating condition of [an] a single amplifier, which is shared by said radio communication modes, for amplifying a received signal into that [according] adapted to [the] a radio communication [system] mode of the received signal; and

with said operating condition changed, amplifying said received signal.